

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) ~~A Process~~process for the production of monolithic porous mouldings which completely fill their gelling mould, ~~characterised by the following process steps comprising:~~
 - a) provision of a gelling mould;
 - b) activation of the gelling mould by surface etching, increasing the surface area and/or chemical modification;
 - c) filling of the gelling mould with monomer sol;
 - d) ~~polymerisation~~polymerization of the monomer sol and ageing of the resultant gel for the formation of pores, whereby the monolithic porous molding produced has an internal diameter of 0.5-50 mm.
2. (Currently Amended) ~~Process~~The process according to Claim 1, ~~characterised in that a~~wherein the gelling mould is made from glass, glass-coated stainless steel or fused silica ~~is provided in step a).~~
3. (Currently Amended) ~~Process~~The process according to Claim 1 ~~or 2, characterised in that the~~wherein activation in ~~step b)~~ is carried out by increasing the inside surface area of the gelling mould by treating the inside surface with alkoxysilanes and/or organoalkoxysilanes or slurries of particles.
4. (Currently Amended) ~~Process~~The process according to claim 1, ~~characterised in that the~~wherein activation in ~~step b)~~ is carried out by chemical modification of the inside surface of the gelling mould by treating the surface with bifunctional reagents.
5. (Currently Amended) Process according to claim 1, ~~characterised in that~~wherein a sol-gel process is used for the production of the monolithic porous mouldings.

6. (Currently Amended) ~~Process~~ The process according to claim 1, characterised in that wherein a monomer sol which exhibits low shrinkage rates through the addition of particles, fibres ~~fibers~~ and/or use of organoalkoxysilanes is used in step c).

7. (Currently Amended) ~~Monolithic~~ A monolithic porous mouldings which have ~~has~~ been polymerised ~~polymerized~~ into their a gelling mould, obtainable by the process corresponding to ~~of~~ claim 1.

8. (Currently Amended) ~~Use of the mouldings according to Claim 7 for the~~ A chromatographic separation of at least two substances, comprising ~~subjecting a mixture of said at least two substances to a molding according to claim 7.~~